BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work : Detailed Estimate for Development of park at Hegadenagara in Ward No.06 Byatarayanapura Sub Division.

						Estimate Cost Rs.: 5,00,000.00			
Sl. No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.1 : Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavted surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) /2.3.1 (P-5, I-2.1 PWDSR 16-17)	cum							
	Levelling CP area		1	34.60	18.00	0.25	155.70		
	for platform		5	2.50	2.50	0.30	9.38		
							165.08	166.42	27,471.78
	Basic Rate	157.00							
	Area weightage @ 6%	9.42							
	Total	166.42							
2	Lead for earthwork and disposal of debris shall be payable at carriage rates by mechanical means including loading and unloading for earthwork (upto 15 kms) complete with all lead & lift & as per the direction of the Engineer in charges. P-134, I. No. 17.1 (S.R.of PWP & IWTD SR 2016-17	cum							
	For 10 k.m		10x1.28x2.5=		32.00				
	Loading & unloading				68.00				
	Total =				100.00				
	Qty same as item No.1						165.08		
						Total	165.08	100.00	16,507.50
3	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220 kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.84 cum and fine aggregates @ 0.56 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth including cost of all materials, labour HOM of machinery curing complete as per specification, specification No. KBS 4, 1, 4.2 (PageNo.13, Item No.4.7) (S.R.of PW,P & IWTD, SR 2016-17	cum							
	platform		5	2.50	2.50	0.15	4.69		
						Total	4.69	5598.92	26,244.94
	Basic Rate	5282.00							
	Area weightage @ 6%	316.92							
	Total	5598.92							
4	Providing and fixing Executive bench made out of Sadarahally grey stone with hand supporter with three line finishing with arch design, with 100 mm slab height 90xlength 150 width 45 cms (Data rate approved)	Nos							
	for platform	1	5				5.00		
							5.00	18200.00	91,000.00

Sl. No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240 kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills including cost of all materials, labour HOM of machinery curing complete as per specification, specification No. KBS 4, 1, 4.2 (PageNo.12, Item No.4.6) (S.R.of PW,P & IWTD, SR 2016-17	cum							
	platform		5	2.50	2.50	0.10	3.13		
						Total	3.13	5767.46	18,023.31
	Basic Rate	5441.00							
	Area weightage @ 6%	326.46							
	Total	5767.46							
6	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification P.109 I No.14.62 PWP & IWTD SR 2016-17	sqm							
	platform		5	2.50	2.50		31.25		
							31.25	1150.10	35,940.63
	Basic Rate	1085.00							
	Area weightage @ 6%	65.10							
	Total	1150.10							
7	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. P.25 I No.5.30 PWP & IWTD SR 2016-17	Nos							
	alroung platform	5	2	2.50			25.00		
		5	2	2.50			25.00		
							50.00		
	1 kerb = 0.45 sqmt						111.11	331.78	36,864.44
	Basic Rate	313.00							
	Area weightage @ 6%	18.78							
	Total	331.78							

Sl. No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8	Providing Children Play Standard Sea Saw 2 Seater Equipment : This equipment is made up of main beam 50mm MS pipe 'A' class of length 1.98 mtr. With two handles welded at the ends as a hand are made of 20mm 'A' class pipe. The main beam is pivoted to the bottom supports of 40mm MS pipes by bush bearing clamped by pivot joints which swivel over 28mm dia steel shaft, which gets installed in the ground by means of concrete, 2 Nos. seats are made of 250 mm x 200 mm x 18 SWG MS sheets with T hand rest at the front. Air pipes are of ISI grade. All the pipes are painted with two coats of super set paint over a coat of protective Zinc chromate yellow oxide including fixing the play equipments in CC 1:2;4, curing etc., complete with all lead, lift, loading, unloading and any other incidental charges and as per the drawing and specification and direction of the Engineer in charge of the work	Nos							
			1	1.00			1.00		
						Total	1.00	28000.00	28000.00
9	Providing children play standard duck wheel equipment. This is a macro reveier made up of an 4 feet diameter platform with 1.5mm thick aluminium chequered plate supported well at the bottom. There is a 100mm dia MS pipe at the cenetre with two Nos of ball bearing, 2 Nos LDPE ducks and 1 No of plastic sheet flat seats, all supported to vertical pillars of size 25mm NB pipes. The 100 rings are in 25mm pipe and bottom circular ring are of 32 mm NB pipes. All pipes are of IS grade. All the pipes are painted with two coats of super set paint over a coat of protective zinc chromate yellow oxide including fixing the play equipment in CC 1:2:4 curing etc, complete with all lead, lift loading unloading and any incidental charges required for the successful completion of the work (All FRP items gel water finish or stoving paint in overns) as pe rthe Engineer in charge of the work	Nos							
			1	1.00			1.00		
						Total	1.00	68000.00	68000.00
10	2-Seater Swing : This Swing consists of 2 Nos, seat sof solid fibbed FP of size 480 mm x 180 mm x 3.5 mm supported by MS chains (*heavy) length 1.8 mtrs, each seat is suspended by 2 lines of chains. The chains are supported by circular housing with bearing from which the chain in suspended. The main beam is of 50mm MS 'a' class pipe. Size of MS chain 30mm x 20mm x 5mm thick, The 2 Nos inverted 'V' beams are of 50mm 'A' Class pipes secured at the top the main beam by means of CI castings. (Heavy duty for elders) All pipes are of ISI grade. All the pipes are painted with two coats of super set paint over a coat of protective Zinc chromate yellow oxide.	Nos							
			1	1.00			1.00		
						Total	1.00	46000.00	46000.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Providing Children Play **Standard Slide Equipment**: Made out of M.S. 'A' class plpes:-Main frame are in 25mm and other railings are in 20mm, 1.5mtrs h x 3.00mtrs long x 0.45mtrs width, Sliding surface fitted with S.S. Sheet. All pipes are of ISI grade. All the pipes are painted with two coats of super set paint over a coat 0 protective Zinc chromate yellow oxide including fixing the play equipments in CC 1:2:4, curing etc., complete with all lead, lift, loading, unloading and any other Incidental charges and as per the drawing and specification and direction of the Enalneer in charce of the work..	NO.							
			2				2	28000	**56000.00**
							Grand Total		**450051.00**
	For 10% KRIDL Charges								**45005.00**
	For 1% Labour Cess								**4501.00**
	Miscesallaneous Charges	L/S							**443.00**
									500000.00

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2016-17
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Dasarahalli Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVE APPROVAL
Accorded For Rs. Five lakhs only
Head of A/c P-3292
Div. Ref. No. 173/17-18 Date 06/02/18
AE EE(BTP) 6/2

TECHNICAL SANCTION
Accorded For Rs. Five lakhs only
Head of A/c P-3292
Div. Ref. No. 60/17-18 Date 06/02/18
AE EE(BTP) 6/2